

Dr. Joan B. Woodard
Sandia National Laboratories



EDUCATION

University of California, Berkeley
Ph.D., Mechanical Engineering, 1982
Stanford University
MS, Engineering Economic Systems, 1975
University of Missouri, Rolla
BS, Applied Mathematics, 1973

WORK EXPERIENCE

Sandia National Laboratories
Executive Vice President and Deputy Laboratories Director for Nuclear Weapons, 2005 - Present
Executive Vice President and Deputy Director, 1999 - 2005
Vice President, Energy and Environment Division, 1995 - 1999
Director, Neuron Generator and Energetic Components Center, 1994
Director, Environmental Technology Center, 1990 - 1994
Manager, Materials Characterization Department, 1989 - 1990
Supervisor, Materials and Process Science for Nuclear Weapons and Strategic Defense Initiative, 1984 - 1988
Technical Staff Member, Solar Thermal Programs: Energy Systems Analysis, 1974 - 1982

AREAS OF EXPERTISE

Nuclear weapons safety, nuclear weapons research and development; programmatic operations; critical infrastructure; electromagnetic threat; systems analysis; science and technology and intelligence analysis.

PROFESSIONAL/SCIENTIFIC/ HONORARY AFFILIATIONS

Current: Defense Science Board, Task Force on Nuclear Capabilities; Intelligence Science Board; Army Science Board; University of Missouri-Rolla, Board of Trustees; University of New Mexico, College of Engineering Board of Visitors
Past: Co-Chair, National Security Space Program Special Study; Defense Science Board Summer Study-Homeland Security; Commissioner, Congressional Commission on Electromagnetic Pulse; National Academy of Sciences Study on S&T for Counterterrorism; Secretary of Energy's Nuclear Energy Research Advisory Committee.